

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method for transmitting wireless signals in a CDMA distributed antenna system, the method comprising the steps of:

providing a plurality of antennas, where each antenna is configured to transmit a wireless signal to a receiver;

identifying one of the plurality of antennas to transmit the wireless signal to the receiver by selecting the one of the plurality of antennas based on a geographic proximity to the receiver, wherein selecting the one of the plurality of antennas based on the geographic proximity to the receiver includes (i) calculating a distance between each one of the plurality of antennas and the receiver thereby establishing a set of distances, and (ii) selecting one of the plurality of antennas corresponding to the smallest distance among the set of distances; and

transmitting the wireless signal by the one of the plurality of antennas to the receiver.

2. (Canceled)

3. (Previously Presented) The method of Claim 1, further comprising:

collecting and storing reliability data for transmissions from each of the plurality of antennas to the receiver; and

selecting one of the plurality of antennas based on the stored reliability data.

4. (Canceled)

5. (Previously Presented) The method of Claim 1, wherein the step of identifying the one of the plurality of antennas further comprises the steps of:

monitoring a reverse communication link between the receiver and each one of the plurality of antennas thereby determining a signal strength of each incoming reverse communication link at each antenna; and

selecting one of the plurality of antennas based upon the signal strength of the reverse communication link.

6. (Previously Presented) The method of Claim 5, wherein the step of selecting one of the plurality of antennas based upon the signal strength of the reverse communication link further comprises the step of selecting one of the plurality of antennas where the signal strength of the reverse communication link meets a preferred signal strength.

7-8. (Canceled)

9. (Previously Presented) The method of Claim 1, wherein the step of identifying the one of the plurality of antennas includes the step of determining the availability of the plurality of antennas, wherein an available antenna is an antenna not currently in use.

10. (Previously Presented) The method of Claim 9, wherein the step of identifying the one of the plurality of antennas includes selecting one of the plurality of antennas based on the availability of each one of the plurality of antennas.

11. (Previously Presented) A CDMA distributed antenna system comprising in combination:

a plurality of antennas, where each antenna is configured to transmit a wireless signal;

a pathway manager coupled to the plurality of antennas, the pathway manager configured to identify one of the plurality of antennas to transmit the wireless signal by selecting the one of the plurality of antennas based on a geographic proximity to the receiver, wherein the pathway manager identifies the one of the plurality of antennas by calculating a distance between each antenna and the receiver thereby establishing a set of distances and selecting the one of the plurality of antennas corresponding to the smallest distance among the set of distances; and

a receiver configured to receive the wireless signal transmitted by the one of the plurality of antennas.

12. (Original) The system of Claim 11, wherein the pathway manager is a device selected from the group consisting of a base transceiver station (BTS), a distributed antenna system controller (DAS), and the receiver.

13-14. (Canceled)

15. (Previously Presented) The system of Claim 11, wherein the pathway manager identifies the one of the plurality of antennas by monitoring a reverse link communication between the receiver and each antenna thereby determining signal strengths of incoming wireless signals at each antenna.

16. (Previously Presented) The system of Claim 15, wherein the pathway manager selects the one of the plurality of antennas with a preferred signal strength.

17-18. (Canceled)

19. (Previously Presented) The system of Claim 11, wherein the pathway manager identifies the one of the plurality of antennas by selecting the one of the plurality of antennas based on an availability of the plurality of antennas, wherein an available antenna is an antenna not currently in use.

20-30. (Canceled)